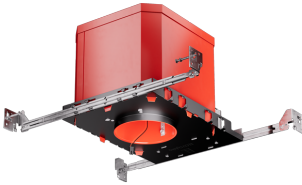


4" IC Airtight New Construction 2-Hour Fire Rated Housing for Koto™ LED Engine

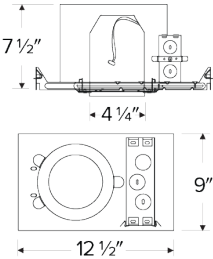


Features	Specifications								
<ul style="list-style-type: none"> IC Airtight for direct contact with insulation. Koto™ Commercial Housing: 120/277V 0-10V/Triac/ELV or 120V Triac/ELV with optional Emergency Battery Backup. Must be used with Commercial Construction Koto™ LED Light Engines (ELK19, ELK21, or ELK24 Series). Lumen output based on module. 2-Hour Fire and Sound Rated. 	<table> <tr> <td>Wattage</td><td>11.8W</td></tr> <tr> <td>Lumens</td><td>750 (ELK19) - 950 (ELK21) - 1100 (ELK24) lm</td></tr> <tr> <td>Voltage</td><td>120V</td></tr> <tr> <td>Dimmable</td><td>Triac/ELV</td></tr> </table>	Wattage	11.8W	Lumens	750 (ELK19) - 950 (ELK21) - 1100 (ELK24) lm	Voltage	120V	Dimmable	Triac/ELV
Wattage	11.8W								
Lumens	750 (ELK19) - 950 (ELK21) - 1100 (ELK24) lm								
Voltage	120V								
Dimmable	Triac/ELV								

Technical Details

Construction: <ul style="list-style-type: none"> Double Wall IC Rated for direct contact with insulation. For use in IC and non-IC conditions. Housing adjusts in frame to accommodate up to 1 1/2" ceiling thickness. Airtight housing with gasket to restrict airflow in accordance with ASTM E-283 air-tight requirements.
Installation: <ul style="list-style-type: none"> Designed for ceiling plenums where 2x8 joists or taller are used. High strength hanger bars can easily be nailed to joists. Suitable for T-grid and drop ceiling applications. See installation sheet for detailed information.
Junction Box: Positioned to accommodate straight conduit runs. Two 3/4" knockouts, Seven 1/2" trade size conduit knockouts, One 3/8" knockout. Four Pry-out knockout slots for easy romex installation.
Hanger Bars: Pre Installed hanger bars with True Nail easy installation in regular lumber, engineered lumber, and Laminated Beams. Integral T-bar slots for easy installation in T-Bars. Spans up 24" and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling flange allows for single-person installation while easily aligning the housings with the joists.
Electrical: High Efficiency driver with a power factor > 0.9.
Emergency Battery Pack: Optional 90 minute battery pack available with test indicator switch. Note that double wall housings require Access From Above Ceiling for Battery Maintenance.
Listings: cUL Listed for Damp Location and for Wet Location with select trims. cUL Listed for Direct Contact with Insulation and Combustible Material. cUL Listed for Feed Through.

Dimensions



Product Number

Item	Description	Lumens	Watts	Voltage	Dimming
ELK93FICA	2-Hour Fire Rated New Construction	750 (ELK19) - 950 (ELK21) - 1100 (ELK24) lm	11.8W	120V	Triac/ELV

Product Number Builder Example: ELK93FICA

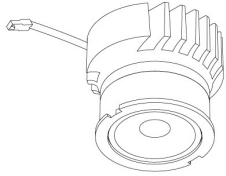
4" Koto™ 2-Hour Fire Rated ICA Housing	Voltage	Dimming
ELK		
93	120V	FICA Triac/ELV
94	120/277V	FICAD 0-10V/Triac/ELV

Compatible Products

For use with Dedicated 4" Architectural ICA LED Housings



Koto™ Architectural LED Light Engine



Koto™ LED Light Engine
ELK19 - ELK21

PRODUCT NUMBER BUILDER			
Koto™ LED Light Engine	Lumens	Color Temperature	Beam Angle
ELK			
19	750 - 850 lm*	27D 2700K	(blank) 38° lens (Standard)
21	1100 - 1500 lm*	30D 3000K	-S 18° lens
24	1100 - 1800 lm*	35D 3500K	-N 25° lens
		40D 4000K	-W 60° lens
		SD Sunset Dimming (ELK19 Only)	-FC 18° - 50° Adjustable (ELK21 Only)

*Wattage based on housing.

ACCESSORIES



Lens

EP731C	18° Lens
EP732C	25° Lens
EP733C	38° Lens
EP734C	60° Lens

*EP732C, EP733C, EP734C Included



Snoot

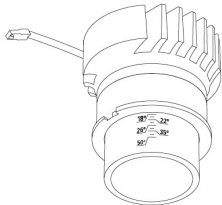
L50W	White
L50B	Black



Secondary Optics

L45	Hex Louver
L46	Linear Lens
L47	Spread Louver
L49	Frosted Lens
L51	Color Shifter

Koto™ FOCUS Architectural LED Light Engine

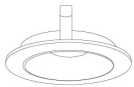


Koto™ FOCUS
LED Light Engine

PRODUCT NUMBER BUILDER			
Koto™ FOCUS LED Light Engine	Lumens	Color Temperature	Beam Angle
ELK			
21	1100 - 1500 lm	27D 2700K	-FC 18° - 50° Adjustable Focus
		30D 3000K	
		35D 3500K	
		40D 4000K	

*Wattage based on housing.

4" Pex™ Twist-On Trims



Shallow Reflector

ELK4116
Finishes:
(W, H)



Reflector

ELK4118
Finishes:
(W, BB, BZ, B, C, H)



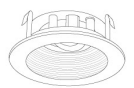
Adjustable Gimbal

ELK4129
Finishes:
(W, BB, BZ, B, C, H)



Adjustable Pinhole

ELK4127
Finishes:
(W, B, BB, BZ, N, CP)



Adjustable Baffle

ELK4193
Finishes:
(W, BB, B)



Rotatable Slot Aperture

ELK4120
Finishes:
(W)



Slot Aperture

ELK4130
Finishes:
(W)



Adjustable Spot

ELK4188
Finishes:
(W, B, BZ)

Compatible Products



For use with Dedicated 4" Architectural ICA LED Housings & ALO™ Box

4" Pex™ Twist-On Trims



Shallow Reflector
ELK4216
Finishes:
(W, H)



Reflector
ELK4218
Finishes:
(W, BB, BZ, B, C, H)



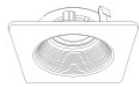
Adjustable Gimbal
ELK4229
Finishes:
(W, BB, BZ, B, C, H)



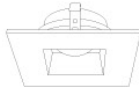
Adjustable Pinhole
ELK4227
Finishes:
(W, B, BB, BZ, N)



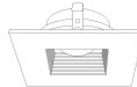
Adjustable Slot Rotatable
ELK4220
Finishes:
(W)



Adjustable Phenolic Baffle
ELK4293
Finishes:
(W, BB, B)



Adjustable Reflector
ELK4282
Finishes:
(W, BZ)



Adjustable Baffle
ELK4284
Finishes:
(W, B, BZ)

*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring

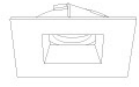
4" Flexa™ Twist-On Trims



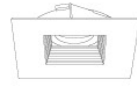
Round Reflector
ELK4721
Finishes:
(WW, BB, BZBZ, BW, CC, CW, HW, CN)



Round Baffle
ELK4723
Finishes:
(WW, BB, BZBZ, BW)



Square Reflector
ELK4741
Finishes:
(WW, BB, BZBZ, BW, HW)
**Not for Remodel Housing*



Square Baffle
ELK4743
Finishes:
(WW, BB, BZBZ, BW)
**Not for Remodel Housing*



Adjustable Sq. Reflector
ELK4759
Finishes:
(WW, BB, B, H)

*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring